MUNICIPAL VULNERABILITY PREPAREDNESS (MVP) PROGRAM

Public Listening Session

Boylston, MA May 23, 2022 6:30 PM







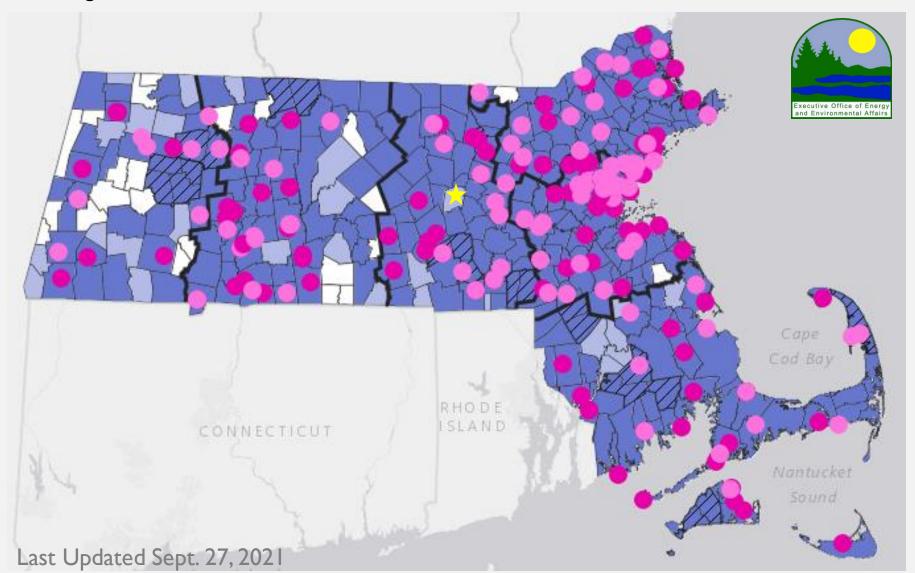


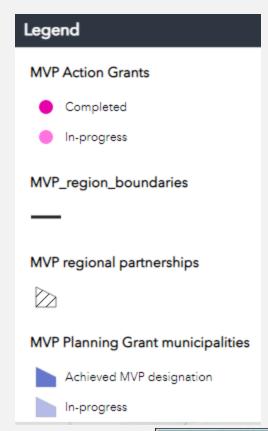
MUNICIPAL VULNERABILITY PREPAREDNESS (MVP)

- State grant program to support cities and towns to begin the process of planning for climate resiliency.
- MVP Planning Process includes CRB Workshop, Report, Listening Session, and Annual Reporting
- Communities who complete the MVP Planning Process become certified as an MVP Community
- Designated communities become eligible for MVP Action Grant funding

Municipal Vulnerability Preparedness (MVP) Grant Programs

Planning Grants and Action Grants

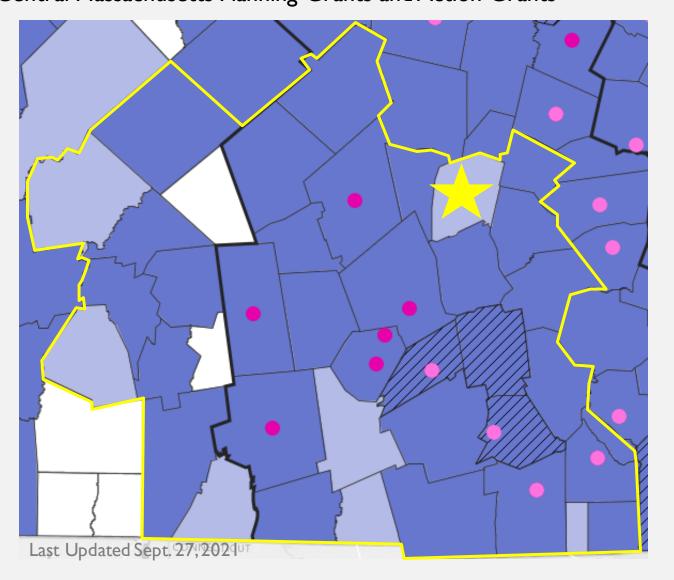


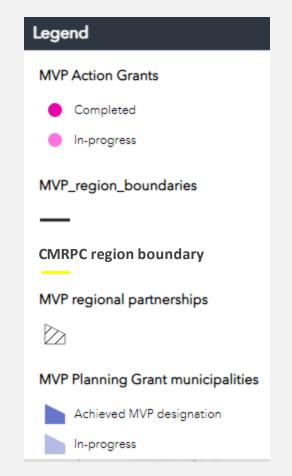




Source: Massachusetts Executive Office of Energy and Environmental Affairs beta Climate Grant Viewer

Municipal Vulnerability Preparedness (MVP) Grant Programs Central Massachusetts Planning Grants and Action Grants





MVP Program Manager for Central Region:

Hillary King (617) 655-3913 Hillary.king@mass.gov



COMMUNITY RESILIENCE BUILDING (CRB) PROCESS

- Community-driven process led by the project coordinators (April Steward and Paul Dell'Aquila) and Core Team members
- Boylston's 8-member Core Team met 5 times in January, February, and March
- Invitation-only workshop was held virtually on March 30th and hybrid on April 6th
- 25 attendees, including local officials, board and committee members, business, schools and non-profit groups
- Listening session (today) is open to the public



CRB WORKSHOP OBJECTIVES

- Define extreme weather and climate-related hazards
- Identify current and future vulnerabilities and strengths
- Develop and prioritize actions for the community and broader stakeholder networks, and
- Identify opportunities for the community to advance actions to reduce risks and build resilience



PRIMARY TOPIC AREAS



Infrastructure



Society



Environment



STEP ONE: IDENTIFY TOP 4 HAZARDS

DROUGHT/EXTREME HEAT (WILDFIRES & INVASIVES)



WINTER STORMS (SNOW & ICE)



FLOODING (INLAND & COASTAL)



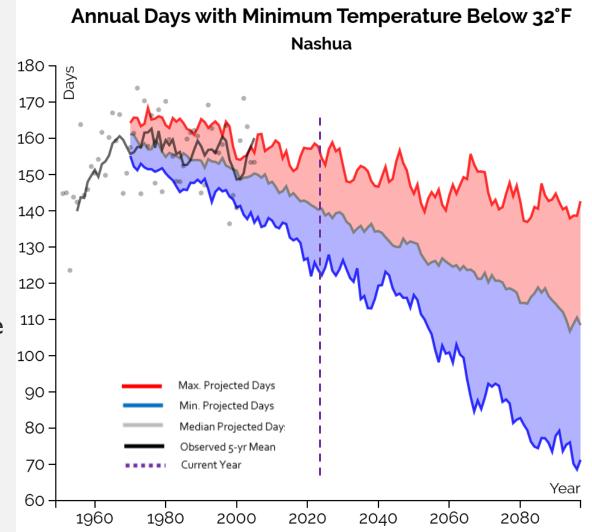
SEVERE STORMS
(WIND & TORNADO)





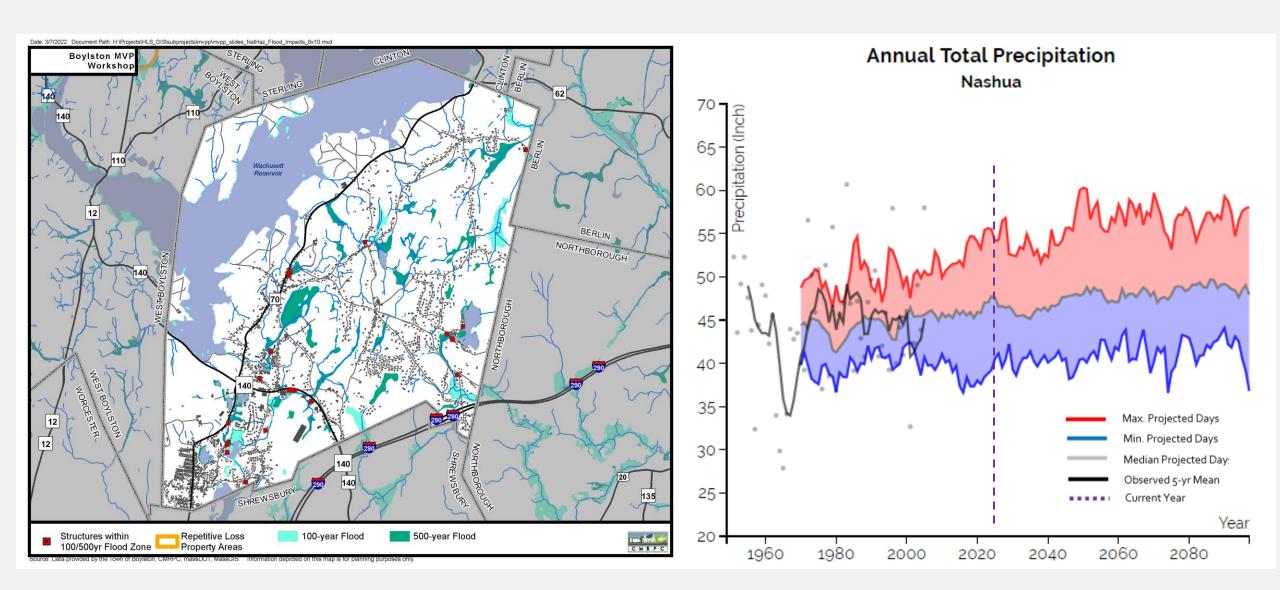
WINTER STORMS

- Annual days below freezing will decrease
- Rising temps → more winter precipitation to fall as rain or freezing rain
- Lower snowfall accumulation
- Winter Highest projected increase in precipitation
- Storms that do occur may be worse
 proximity to Atlantic Ocean
 increases risk of large storm events

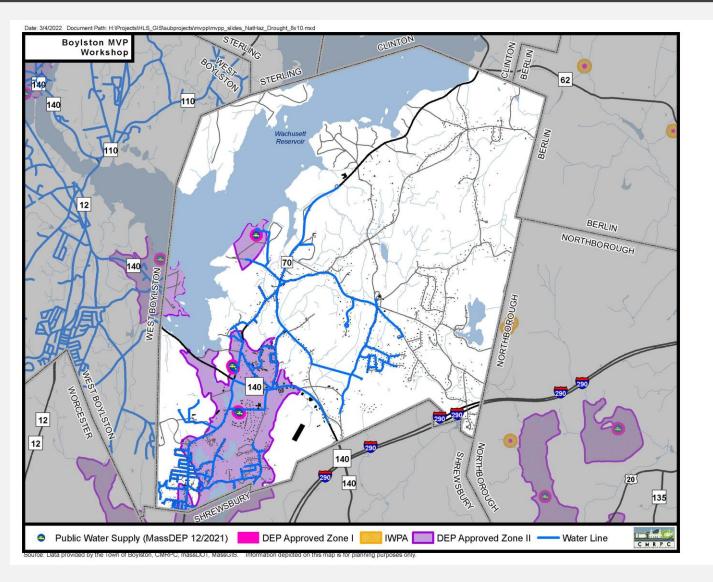


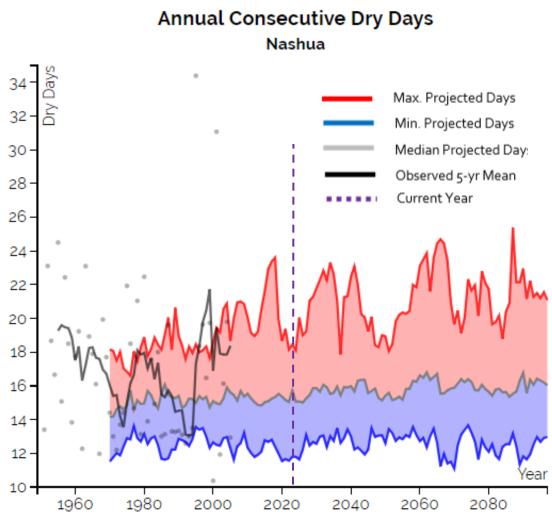


HEAVY RAINFALL AND FLOODING IMPACTS

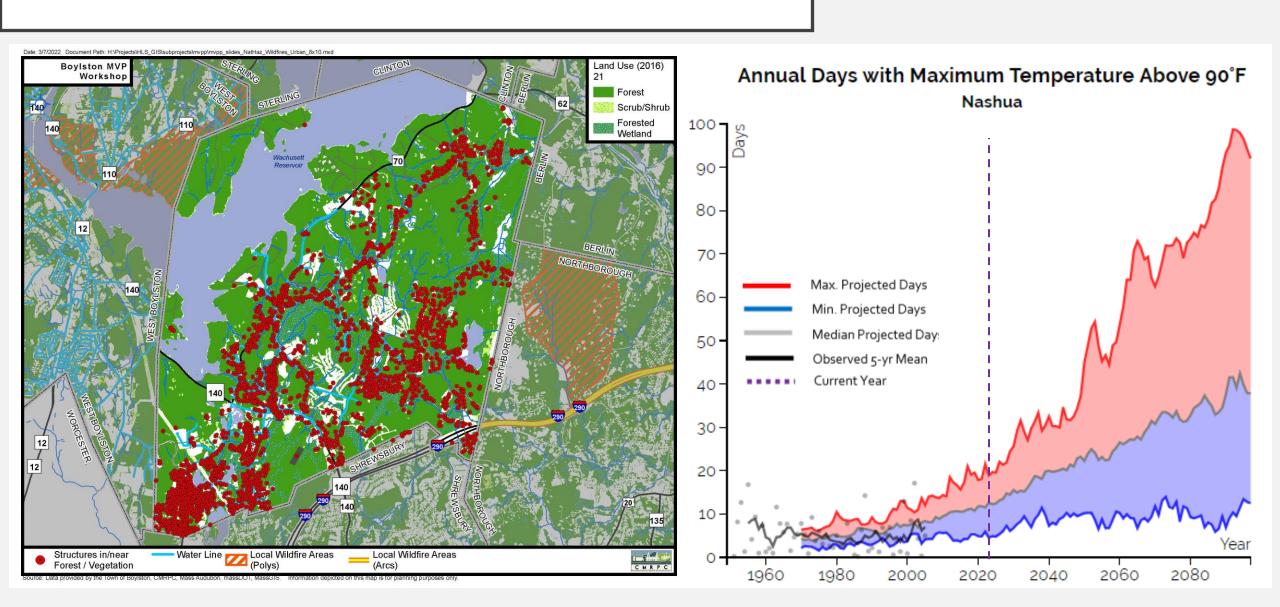


DROUGHT IMPACTS

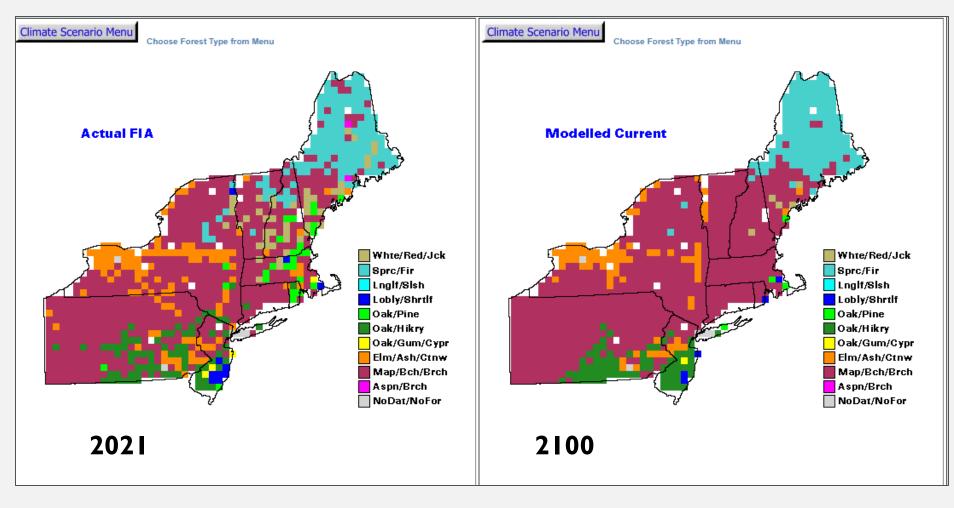




HEAT IMPACTS



HEAT IMPACTS ON THE ENVIRONMENT

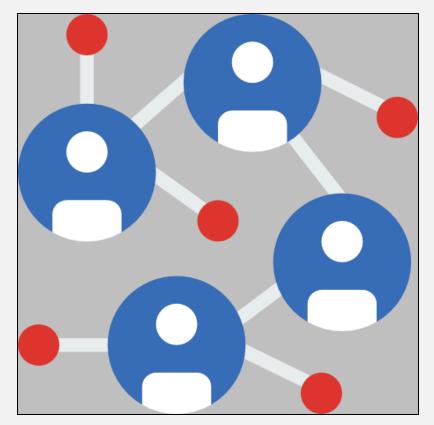


- Species expected to move north
- Diversity of species will likely decrease
- Likely increase in invasive species



BREAKOUT GROUPS

- 2 Breakout groups of 10 individuals
- 4 Focus Hazards
- 3 Focus Sections
- Tools and Resources
 - Matrix, Maps, HMP & Each Other



Icon made Prettyicons from Flaticon.com



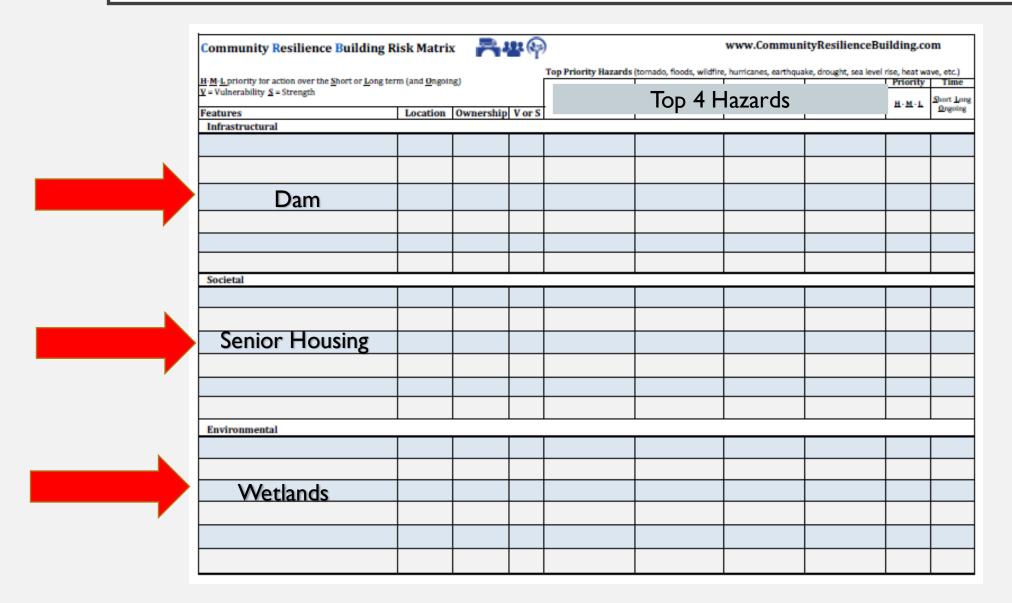
THE MATRIX

Community Resilience Building R	isk Matrix	. 74	22 (G)		www.Commun	ityResilienceBu	ilding.co	m
				Top Priority Hazards	(tornado, floods, wildfire	, hurricanes, earthqua	ke, drought, sea level	rise, heat wa	ive, etc.)
H-M-L priority for action over the Short or Long ter	m (and <u>O</u> ngoin	g)						Priority	Time
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Features	Location	Ownership	V or S						<u>O</u> ngoing
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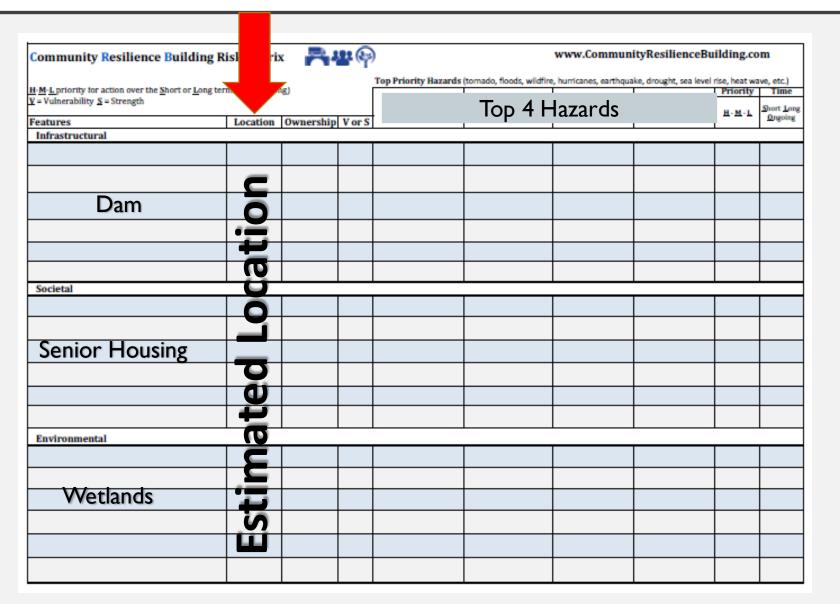


Community Resilience Buildi	ing Risk Matrix	· 📇	22 (G							
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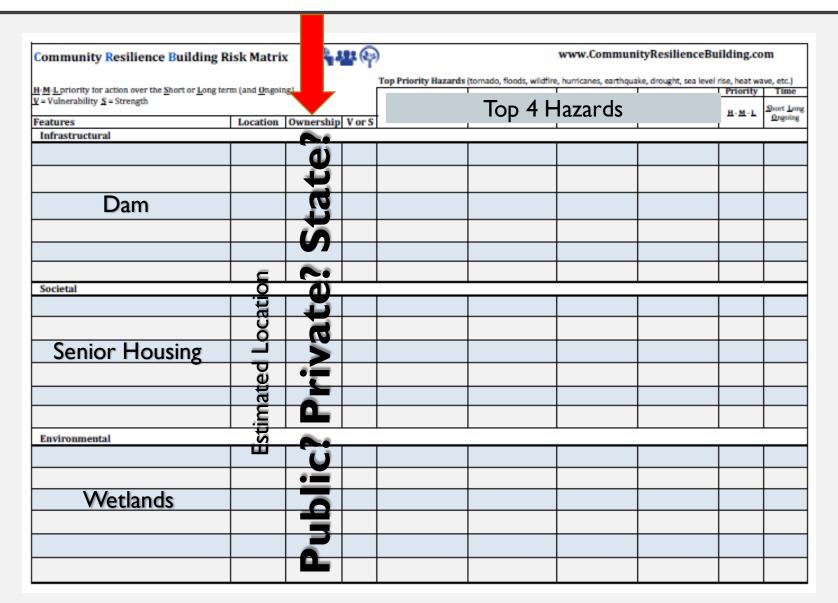














Community Resilience Building	g Risk Matrix		N P	www.Co	mmunityResilienceBuilding.c	om
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STEP THREE: ACTIONS, PRIORITY AND TIMELINE

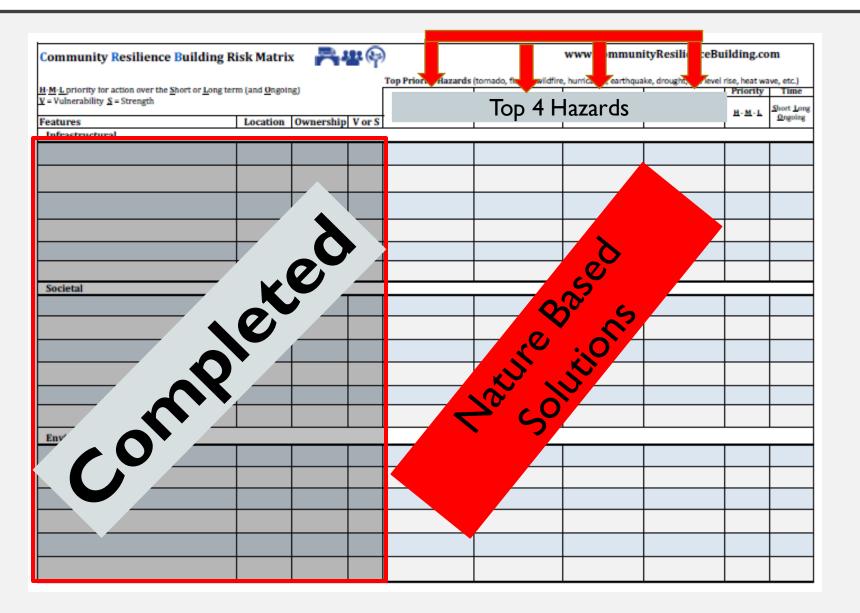




TABLE SUMMARIES

Community Resilience Building Risk Matrix



TABLE # 2

www.CommunityResilienceBuilding.org

Boylston #2

<u>H-M-L</u> priority for action over the <u>S</u>hort or <u>L</u>ong term (and <u>O</u>ngoing)

Top Priority Hazards (tornado, floods, wildfire, hurricanes, earthquake, drought, sea level rise, etc.)

H-M-L priority for action over the Short or Long term (and Ongoing) V = Vulnerability S = Strength						Severe Storms (wind events,	Flooding (inland and coastal)	Extreme Heat/Drought	Priority	<u>Short Long</u>
Features	Location	Ownership	V or S	Description	snow)	tornadoes)	and coastary	neat/Drought	<u>H</u> - <u>M</u> - <u>L</u>	<u>O</u> ngoing
Infrastructural										
Orainage & culverts	Route 70 culverts (French Brook)	State, town, subdivision HOAs for maintenance	v	Drainage may not be sized appropriately for frequency of 100 year floods. Back-up South of high school could be due to Beaver activity. People are nervous about home flooding	culvert and dam analyses; identify culvert locations;					
3eaver Activity	Route 70	State, town	v/s	affecting culverts. Styles Road culverts are not big enough, beaver activity has increased. Cross Street. Beaver plan in place for new development around FedEx facility. Beavers can help wetlands and hydration in forests as we move forward; issues in brooks and ponds in town, property owners adjacent to streams;	town-wide beaver management program; mitigation measures to remove blockages/structural damages fi					
Dead trees	Route 70	State	v	potential to take out power lines and block roads during storms. Diamond Hill Ave, oak trees affected by gypsy moths. Could affect light department. Highway dept. limited budget (10-15k) to take down trees for the year. MassDOT has contract to remove dead trees with certain buffers from electric wires	work with umass amherst forestry dept; forest mgmt plan (where did Worcester \$ come from for there plan?); youth initiatives; boylston version of what Worcester Tree initiative; towerfull planting-type program?; tree stewardship; DCR help - flow mapping, water quality testing, etc.,;					
Septic	Oak Hill Lane subdivision; FedEx facility and surrounding parcels set to develop.	Private	v	New locations having hard time finding locations for septic tanks- easily developed sites have already been developed	grants for surveying failing septic areas, Title V upgrades; septic loan program; update septic systems old buildings;					
Dams	Rocky Pond, Camp Harrington Pond (Rt 70 & 140), Millroad Circle (Sewall Pond to Newton Pond)	Private & State for Wachusett	v/s	6 dams in Boylston, Wachusett dam moved from high hazard to good condition- potential to flood Rt 70 and 62 if overflowed on Clinton line (no public infrastructure would be affected) Office of dam safety required trees moved, moved to good condition						
Water System	(on map)	Water District & private wells	v/s	Good supply, good quality, old infrastructure. 2 wells on Rt 70 may be vulnerable to salt- potential to reduce salt use on Route 12. Half of town on water district, half on individual wells. Vulnerable wells near roadways from road salt. Vulnerablity with nitrate levels for wells that have subdivisions nearby-need to change behavior. No plans to expand public water	analyses/assessment for municipal wells in town in flood/wetland areas; water quality testing (Blackstone					
Municipal Light Department	town wide			very good department. Receptive to issues such as tree limb repairs. Work closely with Highway department to take down issue trees & get ahead before winter storms.	solar installation; work wit	h town on dead trees and r	emoval			
Roadways				Stiles road flooding would be dangerous for resident access in/out- current beaver problem there on low point. Current plan has been working for road maintenance. Roadways are in decent shape. Central Street in need of paving, will be costly. Highway super does great job of seeing which roads	chapter 90 funds; need m	ore funding from state; arpa	funding; identify projects			



GROUP VOTE

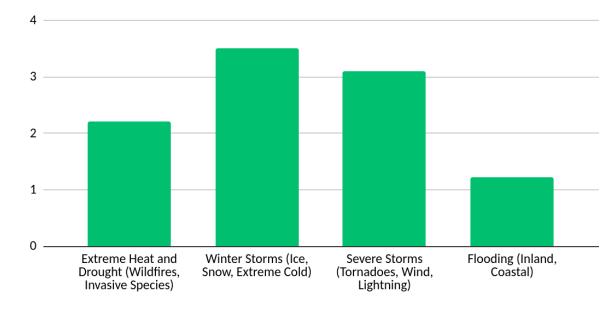
Boylston Municipal Vulnerability Preparedness Program

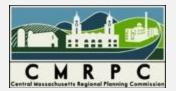
Top Priority Actions Survey

Thank you for participating in Boylston's MVP Workshop! Based on the action items that you came up with during the workshop, we have developed the survey below. This survey will help us identify the top priority actions that Boylston should take in order to become more resilient. Please complete the survey by **Wednesday, April 27, 2022**. The results of this survey will be described in the report and discussed during the listening session.

Thank you in advance for your help with this next step!

Please rank the following hazards in order from most concern (1) to least concern (4):





WHAT DID THE GROUP FIND?



INFRASTRUCTURE CONCERNS







Culverts

Roadways

Utility Systems



INFRASTRUCTURE STRENGTHS







Stormwater Management Municipal Facilities

Water Supply



INFRASTRUCTURE ACTIONS

HIGH PRIORITY



Identify resources to improve radio coverage and explore regionalization potential to be eligible for more funding opportunities.



Perform a feasibility study for the relocation and construction of a fire, police, and senior community center facility. Utilize a climate resilient design for this facility.



Perform a town-wide culvert assessment to identify the location and functionality of existing culverts. Utilize CMRPC services and DER grants to aid in this effort.



Develop a forest management plan to reduce the fire load. Continue to collaborate with DCR on forestry management and hunting practices.



SOCIETAL CONCERNS







Emergency Preparedness At-Risk Populations

Access



SOCIETAL STRENGTHS







Town Boards and Departments

Local Organizations & Groups

Planning and Policies



SOCIETAL ACTIONS

HIGH PRIORITY



Identify needs and resources to improve the Town's potential shelter locations.



Improve advocacy and resilience through continued collaboration with local stakeholders, surrounding communities, regional organizations, and state organizations/State Representatives.



Adopt the Community Preservation Act. Develop an education campaign to help with adoption by promoting the benefits of the CPA program.



ENVIRONMENTAL CONCERNS



Nuisance Species



Invasive Species



Water Quality and Condition



ENVIRONMENTAL STRENGTHS



Environmental Policy



Forests and Parks



Water Resources



ENVIRONMENTAL ACTIONS

HIGH PRIORITY



Develop a prioritization plan for acquiring and/or protecting open space parcels.



Construct beaver deceivers in areas with high beaver activity to prevent damming that leads to flooding risks.



Implement a tree removal and planting program, utilizing native, drought-resistant, and pest-resistant tree species.



NEXT STEPS FOR BOYLSTON

- Finalize draft report with assistance from CMRPC
- Final report submitted to EOEEA by June 30, 2022
- ☑ Boylston receives "MVP Community" certification
- Annual reporting by Core Team
- Develop and apply for MVP Action Grants



ACTION GRANTS

Action Grants were launched this Spring

Up to \$3 million for an individual community

Up to \$5 million for regional projects

One year grant cycle (typically) July 1 st- June 30th

25% Match - Cash or In-kind (Non-State Funds)

www.mass.gov/municipal-vulnerability-preparedness-mvp-program

https://resilientma.org/mvp/



Questions and Comments?



CONTACT

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Environmental Planner
Central Massachusetts Regional Planning Commission



Thank you!

